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ABSTRACT OF THE INVENTION

A distillation device comprising an enclosed tube of elliptical or circular cross section and having a top of an inverted shape so that the inverted portion points downward. The upper section of the outer tube should be of a material that permits the heating of the tube by solar radiation and allows solar radiation to enter the tube and heat the liquid inside. The lower portion could comprise materials that reflect radiation upward toward the liquid and may include absorptive materials. The apparatus includes means for forming a vacuum and a means for focusing sunlight that enters the top of the tube upon the liquid inside the tube.

INVENTOR

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